

Strategic Regional Arterial

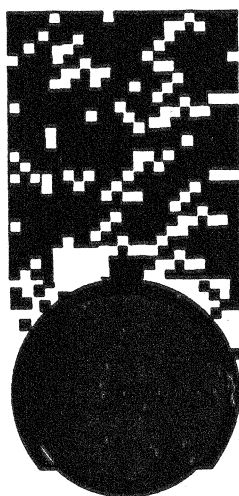
Illinois Route 83

from Calumet Sag Road to Lake Cook Road

Bell Road

from Illinois Route 7 (159th Street) to Calumet Sag Road

FINAL REPORT



Operation GreenLight

Illinois Department of Transportation

August, 1997

FOREWORD

Illinois Route 83 is a Strategic Regional Arterial from Calumet Sag Road in Lemont to Lake Cook Road in Buffalo Grove. This report also includes Bell Road, from Illinois Route 7 (159th Street) to Calumet Sag Road.

This Strategic Regional Arterial (SRA) Report has been prepared for the Illinois Department of Transportation and the SRA Subcommittee of the Chicago Area Transportation Study by Meridian Engineers & Planners, Inc.

The Illinois Route 83 and Bell Road SRA are intended to function as part of a regional arterial system. It, along with other SRA routes and the regional expressway and transit system, will provide a network to carry high-volumes of long-distance traffic. This report is one element of a long-range plan for all routes in the SRA network. Together, the route studies constitute a comprehensive, coordinated plan for the entire SRA network.

Included in this report are a description of the SRA study objectives and process, a detailed explanation and analysis of the existing route conditions, recommendations for improvements, and documentation of the process including comments received.

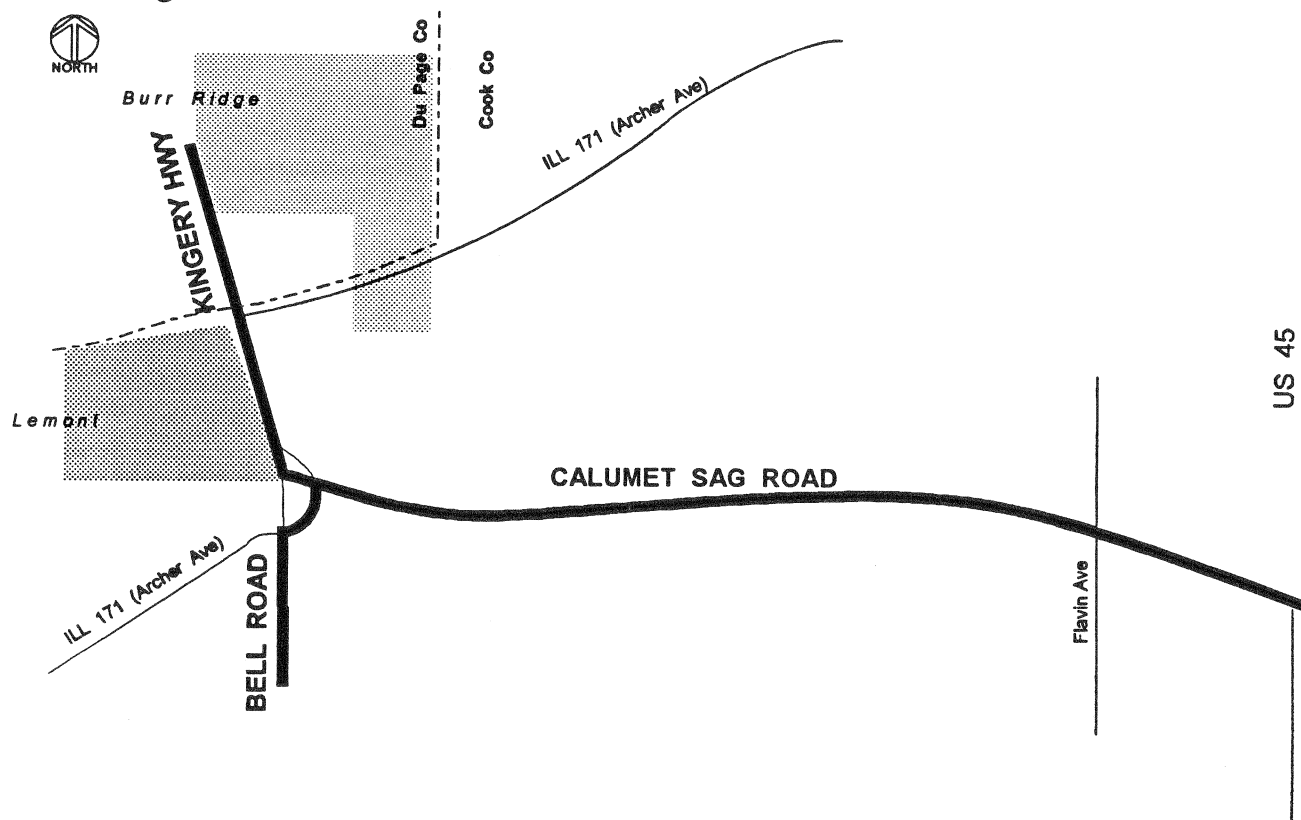
Information regarding the study and this report are available from the Illinois Department of Transportation, through the SRA Project Manager - Mr. Rich Starr, 708/705-4095.

EXECUTIVE SUMMARY

The Illinois Route 83/Bell Road SRA is divided into eight segments. SRA studies during the last twenty-four months have resulted in specific segment recommendations.

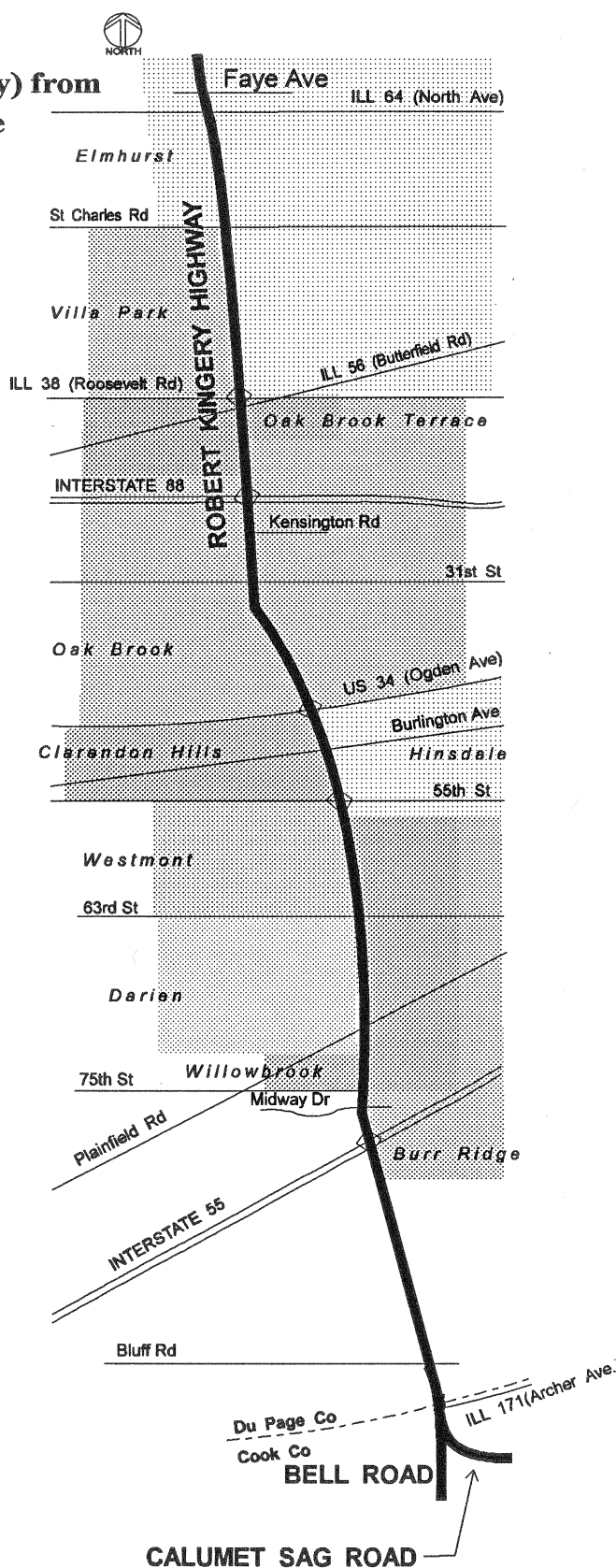
Segment 1: Calumet Sag Road from US Route 45 to Illinois Route 83 (Kingery Highway)

- Dedesignate this segment from the SRA system. Designate this segment as a SRA connector between Illinois Route 83 and US Route 45.
- Maintain one 12 ft. lane in each direction separated by a raised median and outside shoulders with open drainage in the existing 100 ft. right-of-way.
- Provide left turn lanes at Flavin Avenue.
- Manage access with right-in/right-out only, except at important intersections and median breaks.
- Coordinate additional pedestrian/bicycle linkages with existing and proposed paths.
- Provide a potential bikepath along Calumet Sag Channel.



Segment 2: Illinois Route 83 (Kingery Highway) from Calumet Sag Road to Faye Avenue

- Maintain two 12 ft. lanes in each direction with a flush median south of Bluff Road.
- Develop three 12 ft. through lanes in each direction, and raised median from Bluff Road to Faye Avenue
- Maintain existing frontage roads to provide access control.
- Improve signalized intersections on Illinois Route 83 at Archer Avenue, 75th Street, Plainfield Road, 63rd Street, and St. Charles Road.
- Manage access with right-in/right-out only, except at important intersections and median breaks.
- Accommodate park-and-ride facilities near the 75th Street, Kensington Road, and Butterfield/Roosevelt Road intersections.
- Widen structures at BN Railroad and Burlington Avenue, and US Route 34.
- Coordinate additional pedestrian/bicycle linkages with existing and proposed paths.



Illinois Route 83/Bell Road

EXECUTIVE SUMMARY

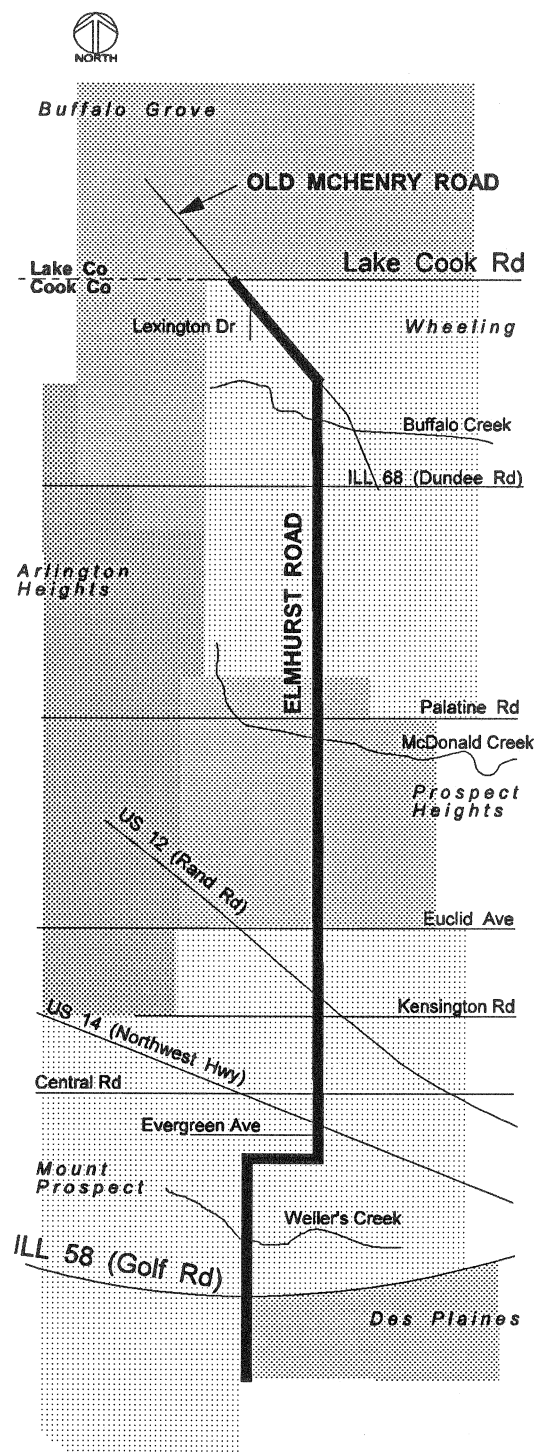
NOTE: SEGMENTS 3 & 4 ARE MISSING

Segment 6: Illinois Route 83 (Elmhurst Road) from Golf Road to US Route 12 (Rand Road)

- Maintain existing 66 ft. to 90 ft. right-of-way which includes two 11 ft. - 12 ft. through lanes in each direction.
- Improve existing roadway with a flush median in certain sections.
- Improve signalized intersections at US Route 14 (Northwest Highway) and Central Road.
- Manage access by prohibiting left turns to Pine Street and Wille Street from Illinois Route 83.
- Provide pedestrian actuated signal at St. Raymond's School.
- Provide signal interconnection between Interstate 90 and US Route 14 (Northwest Highway).
- Widen structure over Weller's Creek.

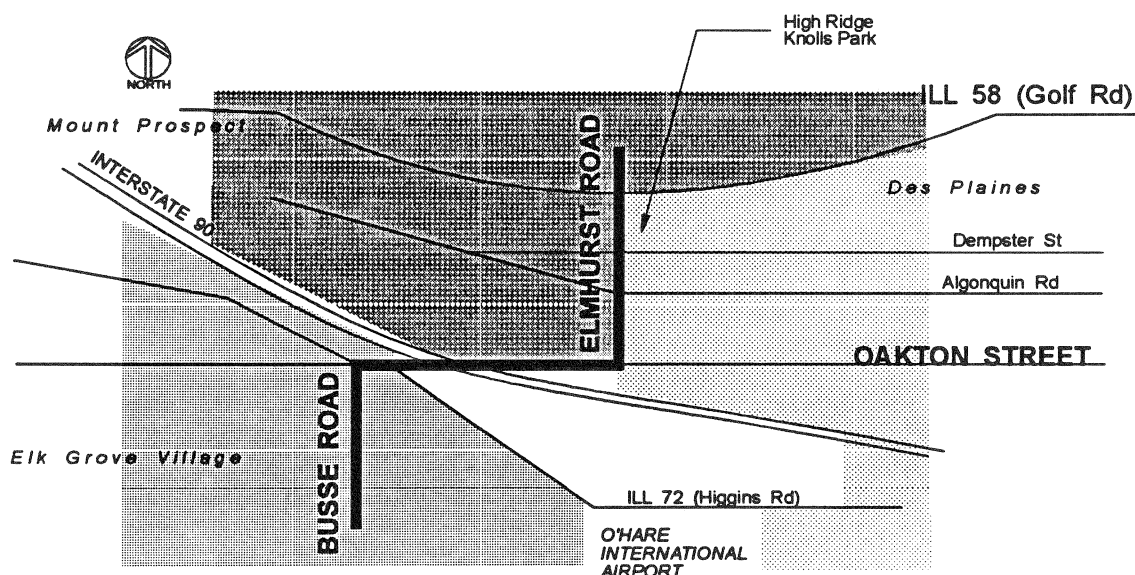
Segment 7: Illinois Route 83 (Elmhurst Road) from US Route 12 (Rand Road) to Old McHenry Road; Old McHenry Road from Elmhurst Road to Lake Cook Road

- Maintain two 12 ft. through lanes in each direction between US Route 12 (Rand Road) and Palatine Road in the existing 100 ft. right-of-way.
- Develop one 12 ft. and one 13 ft. through lane in each direction between Palatine Road and Lake Cook Road.
- Develop a 14 foot flush median from Euclid to Old McHenry Road. Provide an 18 ft. raised median on Old McHenry Road.
- Improve signalized intersections at Euclid Street, Dundee Road, Old McHenry Road, and Lake Cook Road.
- Manage access with right-in/right-out only, except at median breaks, and important intersections.
- Widen structures over McDonald Creek and Buffalo Creek.
- Accommodate park-and-ride facility near the Lake Cook Road intersection.



Segment 5: Illinois Route 83, Oakton Street from Busse Road to Elmhurst Road; Elmhurst Road from Oakton Street to Golf Road

- Develop three 12 ft. through lanes in each direction with a raised or flush median, and curb and gutter in a right-of-way expanded to 120 ft.
- Improve signalized intersection on Illinois Route 83 at Oakton Street/Elmhurst Road, Algonquin Road, Golf Road and Dempster Street.
- Provide signal interconnection on Illinois Route 83 between Algonquin Road and Golf Road.
- Manage access with right-in/right-out only, except at median breaks and important intersections along Oakton Street.
- Accommodate park-and-ride facility near the Oakton Street/Elmhurst Road intersection.
- Provide a pedestrian/bicycle overpass to connect both sections of High Ridge Knolls Park.
- Replace structure at Interstate 90.

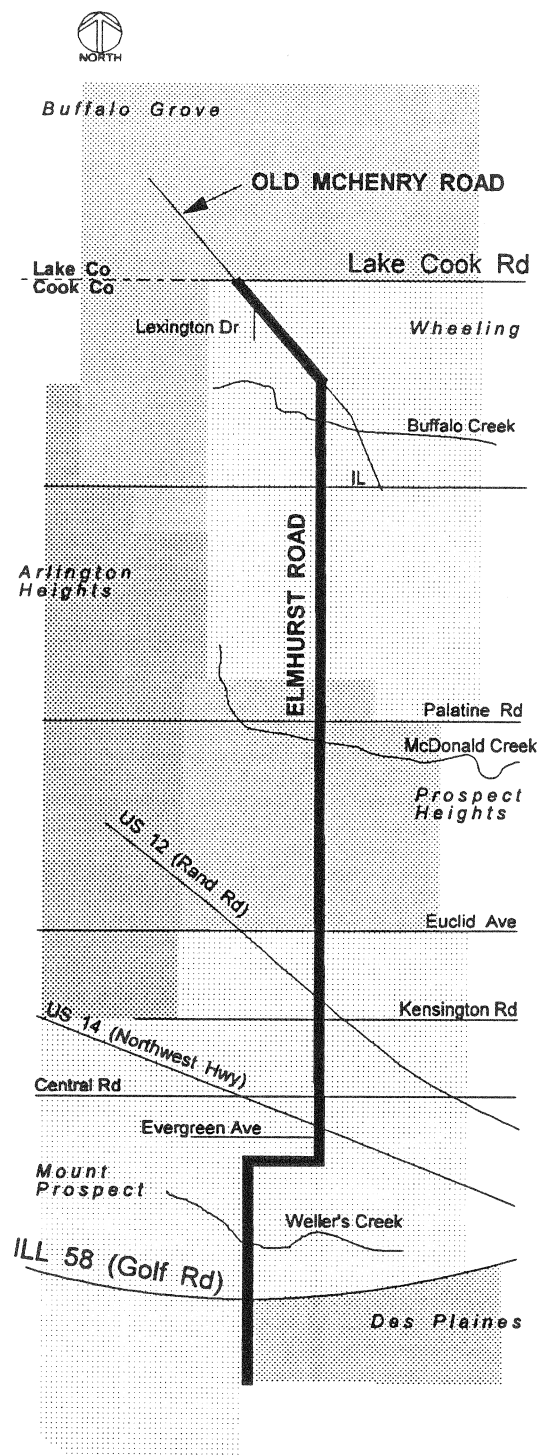


Segment 6: Illinois Route 83 (Elmhurst Road) from Golf Road to US Route 12 (Rand Road)

- Maintain existing 66 ft. to 90 ft. right-of-way which includes two 11 ft. - 12 ft. through lanes in each direction.
- Improve existing roadway with a flush median in certain sections.
- Improve signalized intersections at US Route 14 (Northwest Highway) and Central Road.
- Manage access with right in/right out at Pine Street and Wille Street.
- Provide pedestrian actuated signal at St. Raymond's School.
- Provide signal interconnection between Interstate 90 and US Route 14 (Northwest Highway).
- Widen structure over Weller's Creek.

Segment 7: Illinois Route 83 (Elmhurst Road) from US Route 12 (Rand Road) to Old McHenry Road; Old McHenry Road from Elmhurst Road to Lake Cook Road

- Maintain two 12 ft. through lanes in each direction between US Route 12 (Rand Road) and Palatine Road in the existing 100 ft. right-of-way.
- Develop two 12 ft. through lanes in each direction between Palatine Road and Lake Cook Road.
- Provide an 18 ft. raised landscaped median.
- Improve signalized intersections at Euclid Street, Dundee Road, Old McHenry Road, and Lake Cook Road.
- Manage access with right-in/right-out only, except at median breaks, and important intersections.
- Widen structures over McDonald Creek and Buffalo Creek.
- Accommodate park-and-ride facility near the Lake Cook Road intersection.



**Segment 8: Bell Road from Illinois Route 7 (159th Street)
to Archer Avenue; Archer Avenue from Bell
Road to Calumet Sag Road**

- From Illinois Route 171 (Archer Avenue) to McCarthy Road, provide two 12 ft. through lanes in each direction with 14 ft. flush median, curb and gutter in a 100 ft. right-of-way.
- South of McCarthy Road develop two 12 ft. through lanes in each direction with an 18 ft. raised median and curb and gutter in a right-of-way expanded to 120 ft.
- Develop frontage roads in an expanded 140 ft. right-of-way at south end of segment.
- Improve signalized intersections at Illinois Route 7 (159th Street) and Archer Avenue.
- Manage access with right-in/right-out only, except at median breaks and important intersections.
- Widen structure over Long Run Creek.
- Accommodate park-and-ride facility near the Illinois Route 7 intersection.
- Improve pedestrian access at Homer Junior High School with sidewalks and a pedestrian crosswalk.
- Provide new signalized intersections at Meadow View Lane, 151st Street, 131st Street, and McCarthy Road.

